

Patent Claims

1. Arrangement for taking up liquid analytes, having
- a microtitre plate with a plurality of wells for taking up an analyte,
 - 5 - a plurality of pipettes, by which an analyte can be withdrawn from an associated well,
 - at least one pump, which is coupled to several pipettes in such a way that an analyte can in each case be sucked through an associated pipette by means of the pump, and analytes can be simultaneously sucked out of several wells or introduced into several wells by actuating the pump,
 - 10 - having analysis chips for analysing the analyte, one analysis chip being in each case assigned to a well in order to analyse an analyte introduced into the respective well, and
 - in which the surface of at least a part of the analysis chips, which surface comes into contact with the analyte, is designed in such a way that biological material for binding molecules contained in the analyte can be fixed on the surface.
2. Arrangement according to Claim 1, in which the pipettes are configured as a pipette comb.
3. Arrangement according to Claim 2, in which the pipette comb has a first element and a second element, which is coupled to the first element, the second element having the pipettes.
4. Arrangement according to one of Claims 1 to 3, in which a plate is arranged between the first element and the second element.
5. Arrangement according to one of Claims 1 to 4, in which the analysis chips are arranged in the plate.
6. Arrangement according to one of Claims 1 to 5, in which the surface of at least a part of the analysis chips, which surface comes into contact with the analyte, has biological material for binding the molecules contained in the analyte.
7. Arrangement according to one of Claims 1 to 6, in which the microtitre plate has 96 wells or 384 wells for taking up an analyte.
8. Arrangement according to one of Claims 1 to 6, in which an elastic diaphragm is in each case arranged over at least some of the pipettes, so that analyte can be sucked out of the corresponding well or introduced into the corresponding well by deforming the diaphragm.
9. Arrangement according to one of Claims 1 to 8, in which a buffer plate is provided for each pipette, in order to mix the analyte delivered by the pipette.

Sup
A1
09857830.01.1802

Sub
A1

10. Arrangement according to one of Claims 1 to 9, in which the pump can be operated in such a way that analyte is sucked at a pressure which is less than an analyte surface tension possibly formed in the pipette.

208110-0E8/9B50